



Analytical Laboratory

Analytical Lab
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13339 Hagers Ferry Road
Huntersville, NC 28078-7929
McGuire Nuclear Complex - MG03A2
Phone: 980-875-5245 Fax: 980-875-4349

Order Summary Report

Order Number: J11020026

Project Name: NPDES - MONTHLY

Customer Name(s): Sue Wallace, Matthew Dorn, Mark Harper, Todd Spade, Tara Thomas

Customer Address: 11021 BROWER RD.

NORTH BEND, OH 45052

Lab Contact: Theron T James Phone: 980-875-4795

Report Authorized By: _____ **Date:** 2/14/2011
(Signature)

Program Comments:

Miami Fort NPDES - Monthly (Week 1)

Data Flags & Calculations:

Any analytical tests or individual analytes within a test flagged with an "X" or "1" indicate a deviation from the method quality system or quality control requirement. All results are reported on a dry weight basis unless otherwise noted.

Data Package:

This data package includes analytical results that are applicable only to the samples described in this narrative. An estimation of the uncertainty of measurement for the results in the report is available upon request. This report shall not be reproduced, except in full, without the written consent of the Analytical Laboratory. Please contact the Analytical laboratory with any questions. The order of individual sections within this report is as follows:

Job Summary Report, Sample Identification, Technical Validation of Data Package, Analytical Laboratory Certificate of Analysis, Analytical Laboratory QC Reports, Sub-contracted Laboratory Results, Customer Specific Data Sheets, Reports & Documentation, Customer Database Entries, Test Case Narratives, Chain of Custody (COC)

Certification:

The Analytical Laboratory holds the following State Certifications : North Carolina (DENR) Certificate #248, South Carolina (DHEC) Laboratory ID # 99005. Contact the Analytical Laboratory for definitive information about the certification status of specific methods.

The results in this report meet NELAP requirements through New York State Department of Health Certification # 11717.. Certified parameters are designated with an "N" in the analytical report.

Sample ID's & Descriptions:

Sample ID	Plant/Station	Collection Date and Time	Collected By	Sample Description
2011002326	MIAMI-FORT	01-Feb-11 8:19 AM	Mark Harper	OUTFALL 002
2011002327	MIAMI-FORT	01-Feb-11 5:35 AM	Mark Harper	OUTFALL 608
2 Total Samples				

Technical Validation Review

Checklist:

COC and .pdf report are in agreement with sample totals and analyses (compliance programs and procedures).

☒ Yes

☐ No

All Results are less than the laboratory reporting limits.

☐ Yes

☒ No

All laboratory QA/QC requirements are acceptable.

☒ Yes

☐ No

The Vendor Laboratories have been qualified by the Analytical Laboratory

N/A

Report Sections Included:

☒ Job Summary Report

☒ Sample Identification

☒ Technical Validation of Data Package

☒ Analytical Laboratory Certificate of Analysis

☐ Analytical Laboratory QC Report

☐ Sub-contracted Laboratory Results

☐ Customer Specific Data Sheets, Reports, & Documentation

☐ Customer Database Entries

☐ Test Case Narratives

☒ Chain of Custody

☐ Electronic Data Deliverable (EDD) Sent Separately

Reviewed By: Jenny A Herman

Date: 2/14/2011

Certificate of Laboratory Analysis

This report shall not be reproduced, except in full.

Order # J11020026

Site: OUTFALL 002

Collection Date: 01-Feb-11 8:19 AM

Sample #: 2011002326

Matrix: NPDES

Analyte	Result	Units	Qualifiers	RDL	Method	Analysis Date/Time	Analyst
<u>TOTAL DISSOLVED SOLIDS</u>							
TDS	820	mg/L	N	10	SM2540C	04-Feb-11 14:30	TJA7067

Site: OUTFALL 608

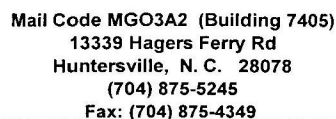
Collection Date: 01-Feb-11 5:35 AM

Sample #: 2011002327

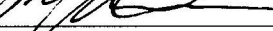

Matrix: NPDES

Analyte	Result	Units	Qualifiers	RDL	Method	Analysis Date/Time	Analyst
<u>ALKALINITY (FIXED END POINT 4.5)</u>							
Alkalinity (mg/L CaCO ₃)	2100	mg/L (CaCO ₃)	N	0.1	SM2320B	04-Feb-11 10:39	CLEEMAN
<u>INORGANIC IONS BY IC</u>							
Chloride	6900	mg/L	N	100	EPA 300.0	04-Feb-11 20:27	CLEEMAN
Fluoride	36	mg/L	N	10	EPA 300.0	04-Feb-11 20:27	CLEEMAN
Sulfate	14000	mg/L	N	200	EPA 300.0	04-Feb-11 20:27	CLEEMAN
<u>TOTAL METALS BY ICP</u>							
Boron (B)	594	mg/L	N	0.5	EPA 200.7	07-Feb-11 14:33	DJSULL1
Iron (Fe)	0.500	mg/L	N	0.01	EPA 200.7	07-Feb-11 14:33	DJSULL1
Manganese (Mn)	23.9	mg/L	N	0.05	EPA 200.7	07-Feb-11 14:33	DJSULL1
<u>TOTAL RECOVERABLE METALS BY ICP-MS</u>							
Arsenic (As)	< 20	ug/L	N	20	EPA 200.8	04-Feb-11 13:06	KRICHA
Barium (Ba)	83.6	ug/L	N	20	EPA 200.8	04-Feb-11 13:06	KRICHA
Cadmium (Cd)	< 20	ug/L	N	20	EPA 200.8	04-Feb-11 13:06	KRICHA
Chromium (Cr)	< 20	ug/L	N	20	EPA 200.8	04-Feb-11 13:06	KRICHA
Copper (Cu)	< 20	ug/L	N	20	EPA 200.8	04-Feb-11 13:06	KRICHA
Lead (Pb)	< 20	ug/L	N	20	EPA 200.8	04-Feb-11 13:06	KRICHA
Zinc (Zn)	< 40	ug/L	N	40	EPA 200.8	04-Feb-11 13:06	KRICHA
<u>TOTAL DISSOLVED SOLIDS</u>							
TDS	34000	mg/L	N	200	SM2540C	04-Feb-11 14:30	TJA7067
<u>TOTAL SUSPENDED SOLIDS</u>							
TSS	33	mg/L	N	8	SM2540D	03-Feb-11 16:15	TJA7067

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DISTRIBUTION
 ORIGINAL to LAB,
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1) Relinquished By 	Date/Time 2/1/2011 08:54	2) Accepted By	Date/Time	Customer, IMPORTANT! Please indicate desired turnaround.	²² Requested Turnaround 14 Days _____ *7 Days _____ +48 Hr _____ *Other _____ * Add. Cost Will Apply
3) Relinquished By	Date/Time	4) Accepted By	Date/Time 13:00 2/2/11		
5) Relinquished By	Date/Time	6) Accepted By:	Date/Time		
7) Relinquished By	Date/Time	8) Accepted By:	Date/Time		
9) Seal/Locked By 	Date/Time 2/1/2011 08:54	10) Seal/Lock Opened By	Date/Time 13:40 2/2/11		
11) Seal/Locked By	Date/Time	12) Seal/Lock Opened By	Date/Time		
Comments Placed 608 samples in Fridge until iced for shipment M3H 2-1-11 0545MS					

2 ml 1:1 H_2O_2 added at 1345 2/2/10